In the Claims:

Kindly cancel claims 1-13 without prejudice.

Claims 1-13 (cancelled).

14. (new) A method for improving efficiency of a wind turbine rotor having rotor blades comprising, providing rotor blades with serrated trailing edges having a plurality of spanwise, periodic indentations, extending the serrations from the trailing edges into airflow behind the trailing edges on each of the blades of the wind turbine rotor, attaching a serrated panel to a surface of each blade near an existing trailing edge and providing the serrations as a retrofit on an existing wind turbine rotor, extending the serrations on each blade from the existing trailing edge of the blade into the airflow behind the existing trailing edge, providing the serrations on each blade at an angle different from 0 degrees relative to a blade chord, changing the angle of the serrated part passively in response to speed and angle of the airflow at the trailing edges of the blades and flexing the serrations and/or the serrated panel attached to the surface of each blade near the existing trailing edge and extending the serrations on each blade from the existing trailing edge of the blade into the airflow behind the existing trailing edge.

15. (new) The method of claim 14, wherein the providing serrations comprises providing the serrations on each blade over a spanwise extent of the trailing edge having a length of between

about 30 and 100 percent of a radius of the blade.

16. (new) The method of claim 14, wherein the providing serrations comprises providing the serrations on each blade as saw-toothed serrations having approximately 60 degrees included angles between adjacent vertices.

17. (new) An apparatus for improving efficiency of a wind turbine rotor having rotor blades comprising a serrated panel for each rotor blade, an upper and a lower surface on each panel, a plurality of span-wise, periodic indentions on each blade, means for connecting the serrated panel to a trailing edge on each blade of the wind turbine rotor such that the serrated panel extends from the trailing edge into airflow behind the trailing edge on each blade of the wind turbine rotor, the serrations on each blade having an angle different from 0 degrees relative to a mounting surface on each blade of the wind turbine rotor, wherein the serrations and/or each of the serrated panels have a given stiffness allowing for an angle of the serrations to change passively in response to speed and angle of the airflow at the trailing edge of each blade due to flexing of the serrations and/or the serrated panel.

18. (new) The apparatus of claim 17, wherein the serrations on each blade extend along a spanwise extent of the trailing edge having a length of between about 30 and 100 percent of a radius of the blade.

19. (new) The apparatus of claim 17, wherein the serrations saw-toothed serrations having approximately 60 degrees

included angles between adjacent vertices.

20. (new) The apparatus of claim 17, wherein the serrated panel comprises saw-toothed serrations having approximately 60 degrees included angles between adjacent vertices.